Report
Weather App

In my final Project I build a weather app. I used HTML, CSS and JS to build this App. In this App you can see the weather based on your location and you can also search for cities. If you want to see the weather in different cities, you must search for a location and click on the search button. If you want to see the weather based on your location, you can click the button next to the search button.

The Weather app also shows a forecast of 5 days, and an hourly forecast based on the next 3 hours. It also shows a chart of an hourly forecast based on two different data. The weather app also shows you the humidity, wind speed and how the temperature feels like. The User can switch the units between Celsius Fahrenheit and kelvin.

I used the API from https://www.weatherapi.com/ and https://openweathermap.org

Declaration of AI Usage:

For this project I used ChatGPT for understanding how to add cities to your favorite list. I also used it on how I can see two different API's in one chart, because the API's don't have the same data (one is with long and lan and the other with cityName).

Feature	Max Points	Given Points
User can search for locations	1	1
User can use his/her location GPS-coordinates (Geolocation API)	2	2
At least two data/forecast providers are used (this means completely different data sources like x.com and y.com, not just different API endpoints on same service)	3	3
At least three data/forecast providers are used	2	2
User sees the current weather at a specific location	1	1
User sees the forecast for the next 24 hour, hourly based	3	
User sees the forecast for the next 7 days	3	
All the weather forecast elements uses icons (and numbers) for e.g. sunny and cloudy weathers	3	3
The look and feel of the application reflects the current weather (e.g. it is blueish, when it is cold; reddish, when it is hot;, dark, when it is night…)	2	2
User sees simultaneously two forecast in a graph, e.g. there is temperature forecast for the next 24 hours and there are two lines	3	3

telling how the data sources are providing (a bit) different data		
User has the option to tag some locations as her favorites and thus access them from the favorites menu	2	1
User has an option to switch between celsius and fahrenheit degrees and kelvins	2	2
Bonus:		
User can see the wind speed and humidity	2	2
User can see the feels like temperature on their searched location	1	1
User sees the forecast for the next 5 days	3	3
User sees the forecast for the next 24 hour, based on every 3 hour	3	3